

1/9

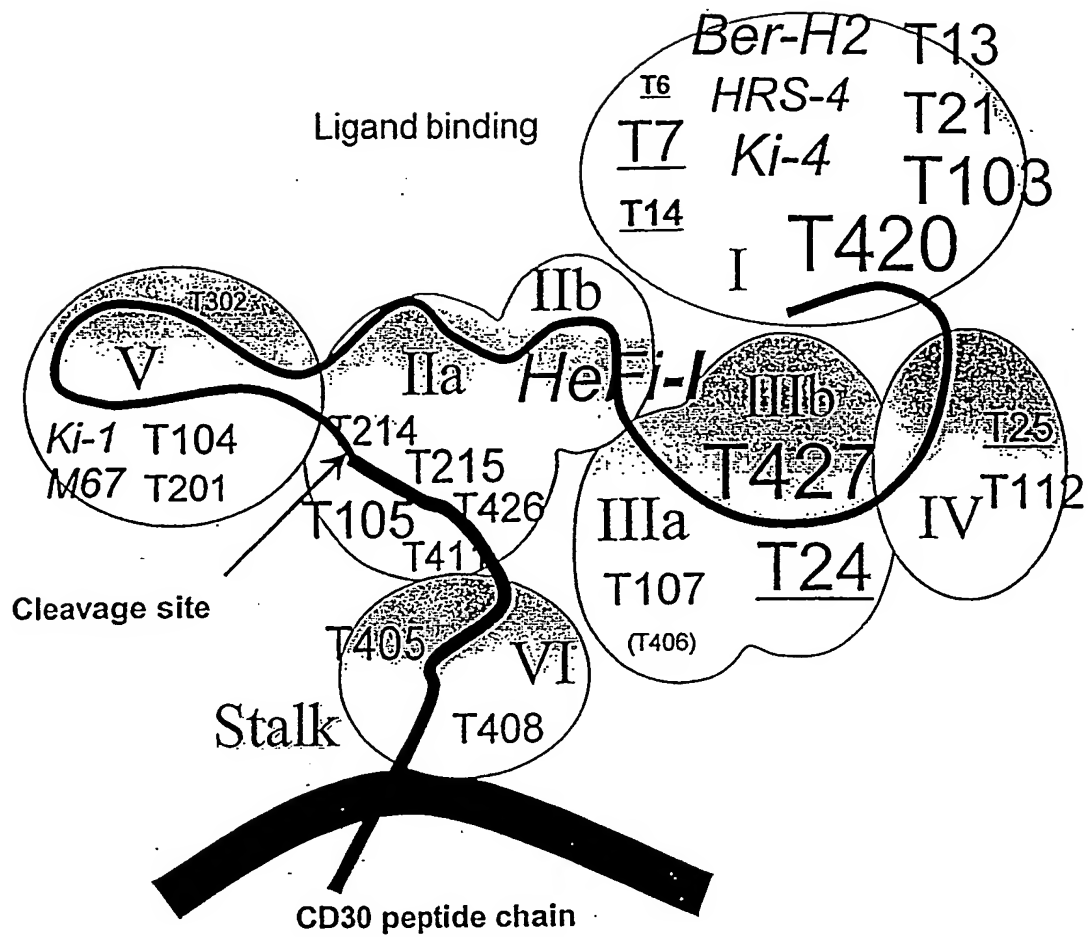


Fig.1. Location of topographical epitopes on CD30 molecule

BEST AVAILABLE COPY

10/516766

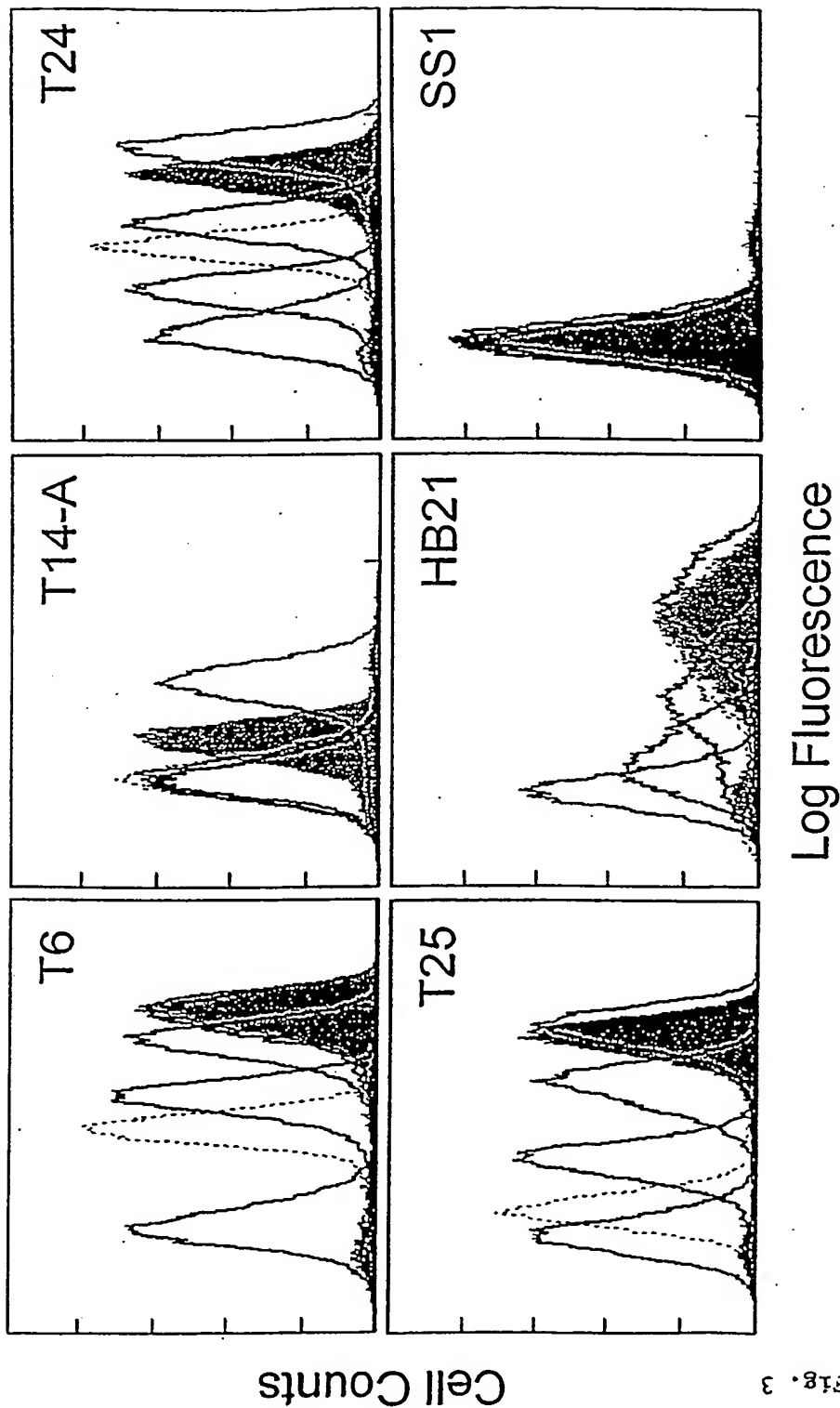
2/9

Fig 2a. Amino acid sequences of the variable regions of anti-CD30 MAb

SEQ ID	1	2	3	CDR1	FR2	4	5	6	7	8	9	10	CDR3	FR4
NO:	1	2	3	CDR1 <td>FR2<td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>CDR3<td>FR4</td></td></td>	FR2 <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> <td>CDR3<td>FR4</td></td>	4	5	6	7	8	9	10	CDR3 <td>FR4</td>	FR4
123456789012345678901234567890	123456789012345678901234567890	123456789012345678901234567890	123456789012345678901234567890	123456789012345678901234567890	123456789012345678901234567890	123456789012345678901234567890	012ABC3456789012345	012ABC3456789012345	67890123456789012345678901234	67890123456789012345678901234	6789012345678901234	567890ABCDEFHIJKL2	34567890123	
T6	2	QVQLKESGPGGLVTPSQSLSTICTVSGFSL	KYSIH	WVRQPPGQGLEWIG	MIW---	GVNTDYNALKS	RLSISKDNKSKQVFLKMNLSQSDDTAMFYCAR	KDLGLGM-----	NY	WGQGISVTVSA				
T7	3	QVQLQQSGAELVRPGSSVKISCKASGYTF	SYWMN	WMKQPPGQGLEWIG	QIYP--	GDDDTNNGKFKG	KATLTADKSSSTAYMQLSSLTSEDSAVFYCAR	RETRGAMF-----	TY	WGQGLTVTVSA				
T13	4	QVQLQQSGAELAKPGASVKMSCKASGYTFT	TYWMH	WVKQPPGQGLEWIG	YINP--	STGYTDYNEKFKD	KATLTADKSSSTAYMQLSSLTSEDSAVFYCAR	RGSYDGNPF-----	AY	WGQGLTVSVSA				
T14	5	EVQLVESGGGLVKPGGSLKLSGCVSGFTFS	DYIMY	WVRQTPGQGLEWIG	SISS--	GGSYTYSDSVKG	RLTISRDNNTKNLYLQMSLSKSEDTAVFYCAR	GPGGVV-----	DY	WGQGLTVTVSS				
T24	6	QVQLQQPGAELVRPGASVKLSCKASGYST	SYWID	WVKQPPGQGLEWIG	NIYP--	SNAYTNYNQKFKD	KATLTVDKSSSTAYMQLSSPTSEDSAVFYCTS	VLDYFYAM-----	DY	WGQGLTVTVSS				
T25	7	QVTLKESGPGILQPSQTLISLTCFSGFSLN	TSGVGVG	WIRQPPGQGLEWIG	HIW---	WDDERYNPVLKS	RLTISKDTSSNQVFLKIANVDTADSATFYCAR	SMVAMF-----	PY	WGRGTLTVTVSA				
HeF1-1	8	EVQLVESGGGLVQPGGSLRLSCATSGFTFS	DYIMN	WVRQPPGQGLEWIG	FIRNKANGYTFTEFSASVMG	NINP--	SNGGTNYNEKFKS	RFTISRDDSQSILYLQMTLRAEDSATFYCAR	RTETAQASPF-----	AY	WGQGLTVTVSS			
CL2	9	EVQLKQSGTELVKPGASVKLSCKASGYTFT	SYWMH	WVKQPPGQGLEWIG	YINP--	NTAYTDYNQKFKD	KATLTADKSSSTAYMQLRSLTSEDSAVFYCAK	KTTQTTMGF-----	PF	WGQGLTVTVSS				
K1-4	10	QVQLQESGTELVKPGAAVKMSCKASGYTFT	DYWMH	WVKQPPGQGLEWIG	YINP--	STDYTDYNQKFKD	KATLTADKSSSTAYMQLRSLTSEDSAVFYCAT	RHYGSSYGF-----	AY	WGQGLTVTVSA				
T420	11	QVQLQQSGAELAKPGASVKMSCKASGYTFT	SYWMH	WVKQPPGQGLEWIG	MIHP--	SDSETRLNQKFKD	RATLTVDKSSSTAYMQLSSPTSEDSAVFYCAS	EMDYFYAM-----	DY	WGQGLTVTVSS				
T427	12	QVQLQQPGTELVKPGASVKLSCKASGFSFT	SYWMN	WVKQPPGQGLEWIG	NIYP--	SDSRNPNQKFKD	KATLTVDKPSSTAYMQLSSPTSEDSAVFYCTL	GS-----	Y	WGQGLTVTVSA				
T405	13	QVQLQIIGAEIVKPGASVKLSCKASGYTFN	NYWMN	WVKQPPGQGLEWIG	HIY---	WDDDKRYNPSLKS	RLTISKDTSSNQVFLKITSVDTDATFYCAR	RADGLYFYL-----	DV	WGAGTTVTVSS				
T105	14	QVTLKESGPGILQPSQTLISLTCFSGFSL	TSGMGVS	WIRQPPGQGLEWIG	MIW---	GDGNTDYNGLKS	RLSISKDNKSKQVFLKVNLSLQTDATFYCAR	PSTGTLF-----	AY	WGQGLTVTVSA				
T201	38	QVQLKESGPGGLVAPSQSLSTICTVSGFSLI	DYGVN	WVRQPPGQGLEWIG	NIYP--	SDSYSNYNQKFKD	KATLTVDKSSSTAYMQLSSPTSEDSAVFYCTL	GS-----	Y	WGQGLTVTVSA				
T408	40	QVQLQPPGAELVRPGASVKLSCKASGYTFT	SYWMN	WVKQPPGQGLEWIG	NIYP--	SDSYSNYNQKFKD	KATLTVDKSSSTAYMQLSSPTSEDSAVFYCTL	GS-----	Y	WGQGLTVTVSA				

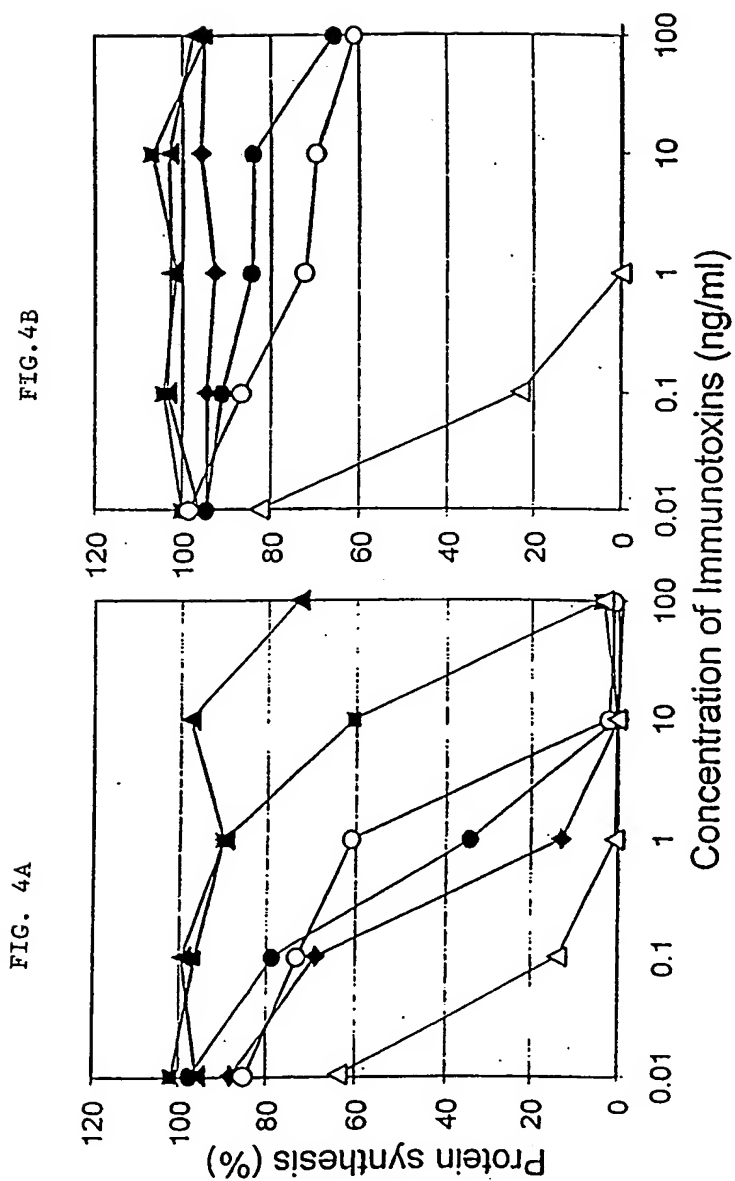
Fig 2b. Amino acid sequences of the variable regions of anti-CD30 Mabs

SEQ ID NO:	FR1	CDR1	FR2	CDR2	FR3	CDR3	FR4
VL 123456789012345678901234	1 2	3	4	5	6 7 8	9	1
T6	DIVMTQSKFMSTSVGDRVSVC	KASQ-----NVGTNVA	WYQKPGQSPKALFY	SASYRYS	GVPRFIGSGSGTFTLTISNVQSEDLAEYFC	QQYNTYP-----LT	FGSGTKLEIERA
T7	DIVLTQSPASLAVSLGQRATISC	RASESLEY-YGTTLMQ	WYQKPGQSPKLLIY	AASNVES	GVPARFSGSGSGTDFSLNIHPVEEDDIAMVFC	HQSRKVP-----ST	FGGGTKLEIKRAD
T13	DIVMTQSHKFMSTSVGDRVTITC	KASQ-----DVSTAVA	WYQKPGQSPKLLIY	WASTRHT	GVPRFTGSGSGTDYTLTISSVQVEDLALYYC	QQHYSTP-----FT	FGSGTKLEIKRA
T14-A	DIVMTQTPSLPVSIGDQASISC	RSSQNLIHS-NGNAVYQ	WYQKPGQSPKLLIY	KVSNRFS	GVPRFSGSGSGTDFALKIIRVEAEDLGVIYFC	QOTTHVP-----YT	FGGGTKLEIKRAD
T14-B	DIVLTQSPASLAVSLGQRATISC	RASESLEY-YGTTLMQ	WYQKPGQSPKLLIY	AASNVES	GVPARFSGSGSGTDFSLNIHPVEEDDIAMVFC	HQSRKVP-----ST	FGGGTKLEIKRAD
T21	DIQMNQSPSSLSASLGDTITITC	HASQ-----NINVMLT	WYQKPGNIPQLLIY	KASNLHT	GVPSRFGSGSGTGFTLTISNLQEDDIATYYC	QQGQSYN-----LT	FGAGTKLEIKRA
T24	DIQMTQTSSLSASLGDRVTISC	RASQ-----DISNYLN	WYQKPGDGTVKLLIY	YTSRLHS	GVPSRFGSGSGTDYSLTISNLQEDDIATYYC	QQVNTLP-----RT	FGGGTKLEIKRA
T25	DIVMSQSPSSLAVSVGEKFTWNC	KSSQSLLYSSNOKNFLA	WYQKPGQSPKLLIY	WASTRES	GVPRFIGSGSGTDFTLTISSVKAEDLAVYYC	QQHYRYP-----WT	FGGGTKLEIKRAD
HeP1-I	DIVLTQSPASLAVSLGQRATISC	RASKSVSA--SGYNMNH	WYQKAGQSPKLLIH	LASNLES	GVPARFSGSGSGTDFTLNIHPVEEDASTYYC	QHSSELN-----FT	FGSGTKLEIK
CL2	DIVMTQSHKFMSTSVGDRVSVC	KASQ-----NVGTNVA	WYQKPGQSPKALFY	SASTRYS	GVPRFTGSGSGTDFTLTISSNVQSEDLAEYFC	QQYNSYP-----FT	FGSGTKLEIK
K1-4	DIVLTQSHKSMAMSVGERVTISC	KASE-----NVDSPVS	WYQKPGQSPKALFY	GASNRHS	GVPRFAGSGSGRDFTLTISSVQAEADLADYHC	QQNYRYP-----LT	FGAGTKLEIK
T420	DIVMTQSHKFMSTSVGDRVSITC	KASQ-----DVSTAVA	WYQKPGQSPKLLIY	WASTRHT	GVPRFTGSGSGTDYSLTISSVQAEADLAVYYC	QQHYRTP-----FT	FGSGTKLEIKR
T427	DIVLTQSPSLAVSLGQRATISC	RASESVDS--YGNSPMH	WYQKPGQSPKLLIY	RASNLES	GVPRFSGSGSGTDFTLTISSVQAEADLAVYYC	QQSNEDP-----RT	FGGGTKLEIKR
T405	DIVMTQTPSLTSLVTIGQPASISC	KSSQSLSDS-DGKTYLN	WLLQRPQSPKRLIY	LVSKLDS	GVPRFTGSGSGTDFTLKISRVEAEDLGVIYFC	WQGAHFP-----RT	FGGGTKLEIKR
T105	DIVMTQSKFMSTSVGDRVSVC	KASQ-----NVNTNVA	WYQKPGQSPKALFY	SASYRYS	GVPRFTGSGSGTDFTLTISSNVQSEDLAEYFC	QQYNSYP-----LT	FGSGTKLEIKR
T201	EIVLTQSPPTMAASPGERITFTC	SASSG-----ISSIYLN	WYQKPGFSPKLLIY	RTSNLAS	GVPPRFGSGSGTSYSLTIGTMEAEADVATYYC	QQGSSIP-----LT	FGAGTKLEIKRA
T408	DIVMTQTPSLTSLVTIGQPASISC	KSSQSLSDS-DGKTYLN	WLLQRPQSPKRLIY	LVSKLDS	GVPRFTGSGSGTDFTLKISRVEAEDLGVIYFC	WQGAHFP-----RT	FGGGTKLEIKRA



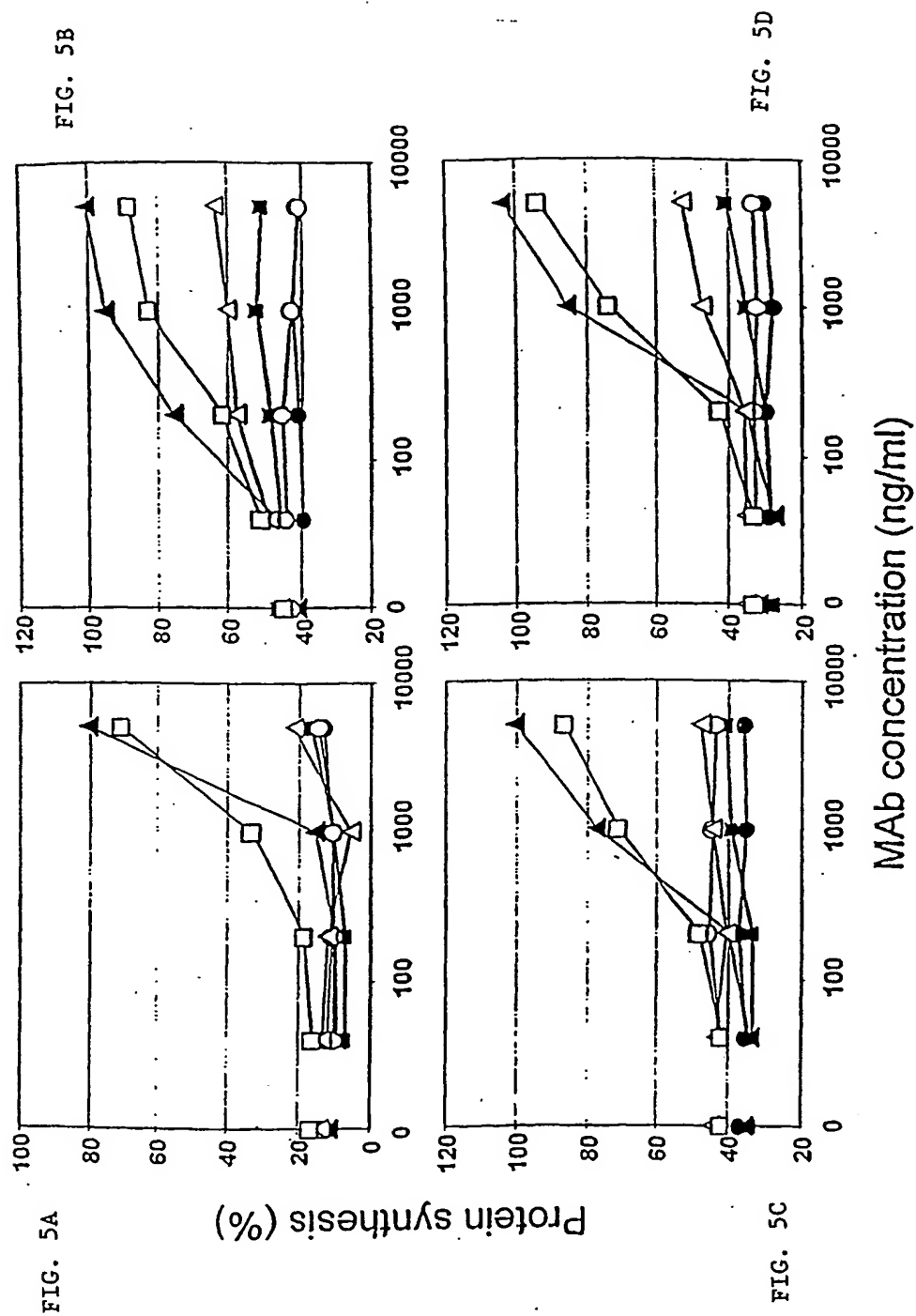
Cell Counts

Fig. 3



6/9

FIG. 5



CDC of anti-CD30 antibody in the absence of secondary antibody (15-h postincubation)

Fig. 6A Karpas299 (CD30 positive)

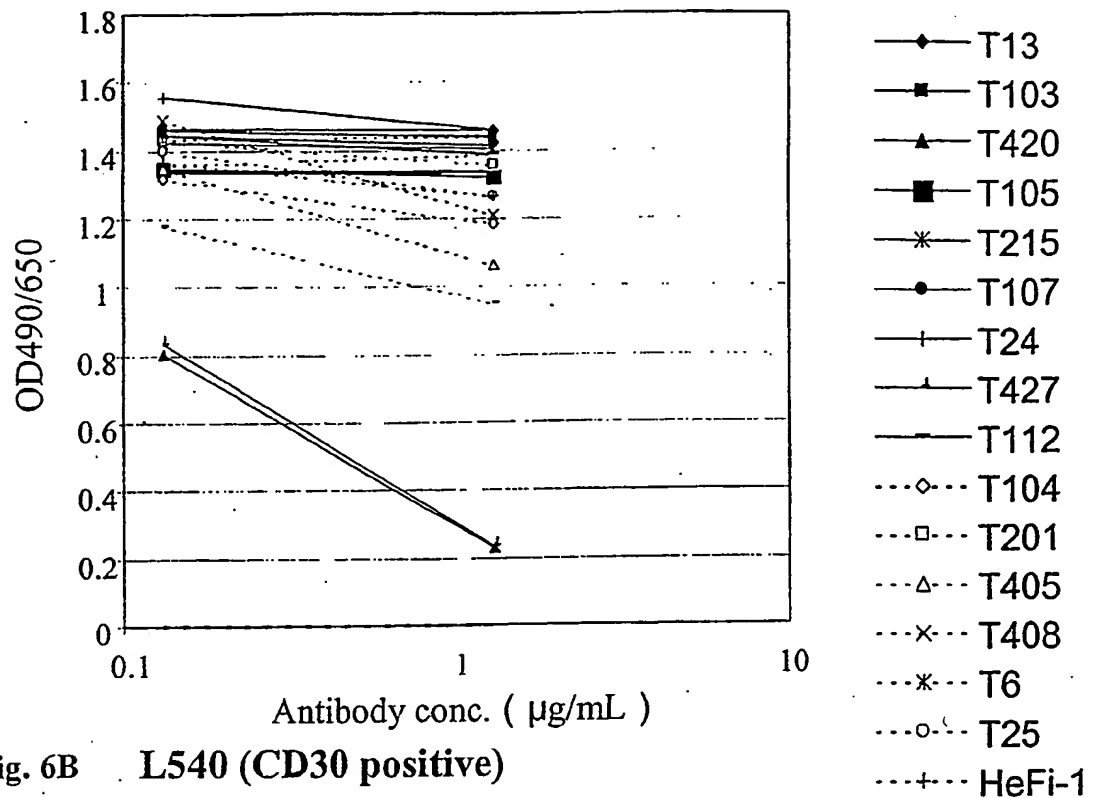
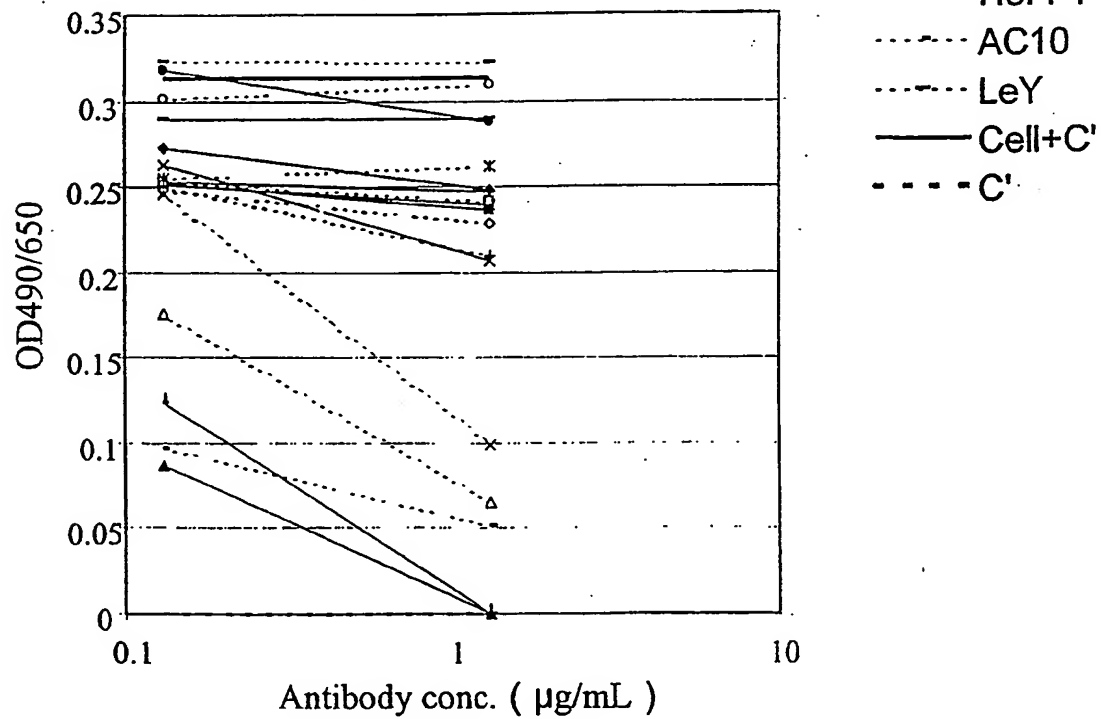


Fig. 6B L540 (CD30 positive)



8/9

Fig. 7B

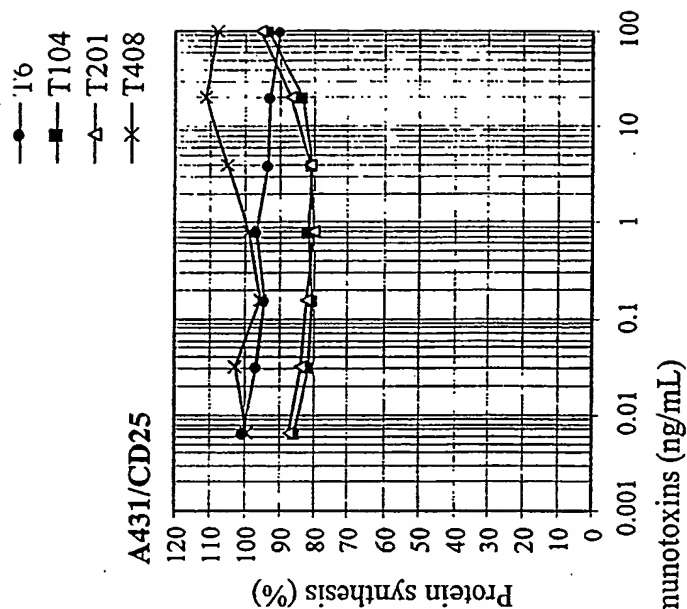
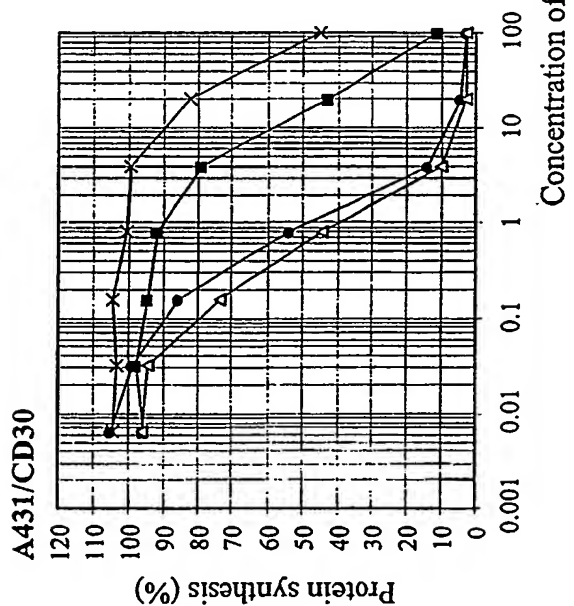


Fig. 7A



BEST AVAILABLE COPY



Fig. 8A

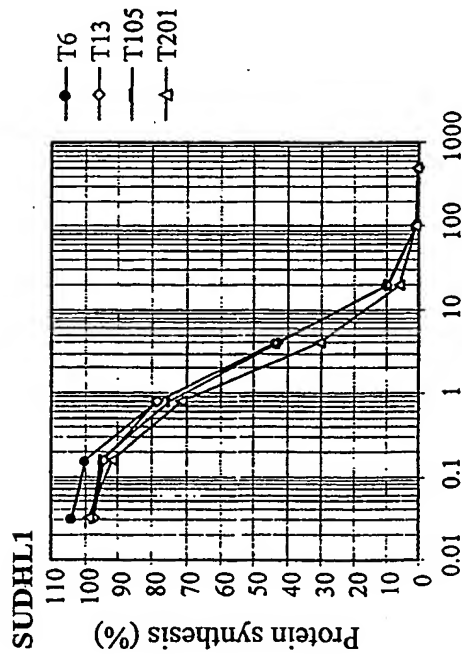


Fig. 8B

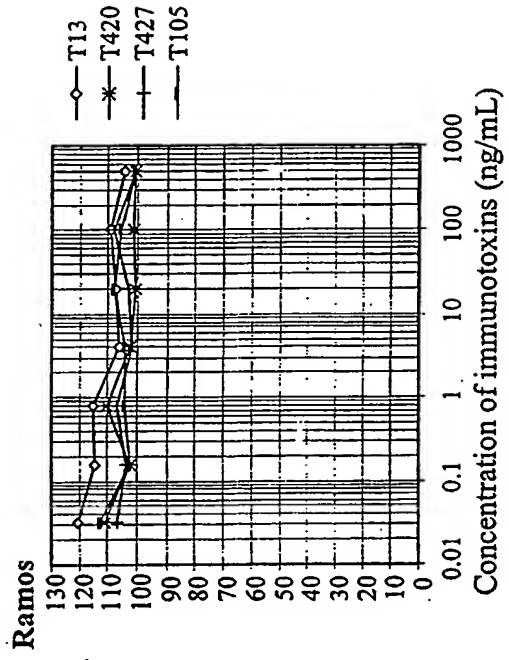
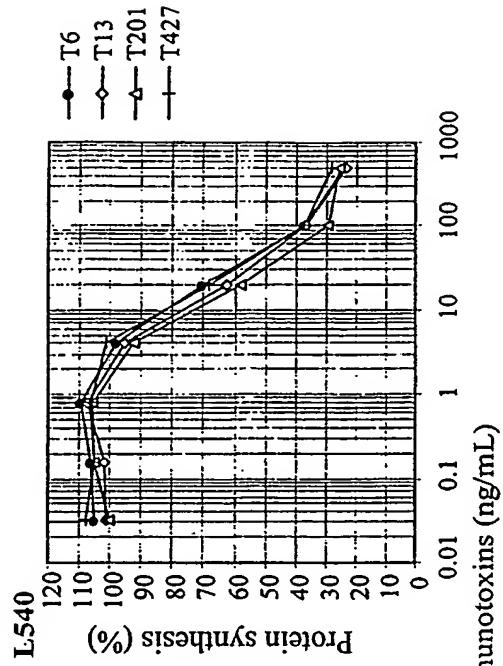


Fig. 8C